PTO/SB/05 (08-03)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No.	EV 220475730 US	
Title	Multi-Layered Photocatalyst	
First Inventor	Wei, Di	
Attorney Docket No.	60246-220; 10,691	

See MPEP (APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450	·				
2. Submi Applic See 3 See 3 Specif (prefer Desc Cross State Refer or a c Back Brief Brief Detair Abstr 4. Drawi	act of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee)					
b. 🔲 Co	claration [Total Sheets5] wly executed (original or copy) py from a prior application (37 CFR 1.63(d)) r continuation/divisional with Box 18 completed)	11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations Preliminary Amendment					
	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). lication Data Sheet. See 37 CFR 1.76	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Certificate.of. Express. Mail					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the							
specification following the title, or in an Application Data Sheet under 37 CFR 1.76:							
Continuation Divisional Continuation-in-part (CIP) of prior application No.:							
Prior application information: Examiner Art Unit:							
	19. CORRESPON	DENCE ADDRESS					
☑ Custor	ner Number: 026096	OR Correspondence address below					
Name	Karin H. Butchko						
Carlson Gaskey & Olds, P.C.							
City	400 West Maple Road, Suite 350	State MI Zip Code 48009					
Country	Birmingham United States of America	elephone 248-988-8360 Fax 248-988-83	63				
Name (Print/Ty	Officed States of Afficiate	Registration No. (Attorney/Agent) 45,864					
Name (Print/Type) Kartin H Butchko Registration No. (Attorney/Agent) 45,864 Signature Date 12/16/2003							
		/(/)					

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.





PTO/SB/17 (10-03)

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CCC TO A NOMITTAL	Complete if Known					
FEE TRANSMITTAL	Application Number	Herewith				
for EV 2004	Filing Date	Herewith				
for FY 2004 Effective 10/01/2003. Patent fees are subject to annual revision.	First Named Inventor	Wei, Di				
	Examiner Name					
Applicant claims small entity status. See 37 CFR 1.27	Art I Init					

TOTAL AMOUNT OF PAYMENT (\$	3) 1,040.00		Attorn	ey Doo	ket N	No. 60246-220; 10,691	
METHOD OF PAYMENT (check all	that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None			3. ADDITIONAL FEES				
Deposit Account:				Small			
Deposit 00.005		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number		1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Carrier	1	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	
	ny overpayments	1812	2,520	1812 2	2,520	For filing a request for ex parte reexamination	<u> </u>
Charge any additional fee(s) or any underpayment of fee(s)			920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the fi	ling fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	
to the above-identified deposit account.		1051	440	0054		Examiner action	
FEE CALCULATION		1251	110 420	2251 2252	55 210	Extension for reply within first month Extension for reply within second month	
1. BASIC FILING FEE		1252 1253	950	2252		Extension for reply within third month	
Large Entity Small Entity Fee Fee Fee Fee <u>Fee Description</u>	Fee Paid	1253		2253		• •	
Code (\$) Code (\$)	. 55 . 4.4		•		740		
1001 770 2001 385 Utility filing fee	770.00	1255		2255		5 Extension for reply within fifth month	
1002 340 2002 170 Design filing fee		1401	330	2401		Notice of Appeal	
1003 530 2003 265 Plant filing fee		1402	330	2402		Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee		1403	290	2403		Request for oral hearing	
1005 160 2005 80 Provisional filing fee	,	1451	1,510	1451		Petition to institute a public use proceeding	
SUBTOTAL (1) (\$	770.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1,330	2453	665	Petition to revive - unintentional	
Fee	from _	1501	1,330	2501	665	Utility issue fee (or reissue)	
	Fee Paid	1502	480	2502	240	Design issue fee	
Total Claims 28 -20** = 8 X 18	= 144.00	1503	640	2503	320) Plant issue fee	
Claims 4 3 = 1 1 00	= 86.00	1460	130	1460	130	Petitions to the Commissioner	LI
Multiple Dependent		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	ļI I
Large Entity Small Entity	_	1806	180	1806		Submission of Information Disclosure Stmt	
Fee Fee Fee Fee <u>Fee Description</u> Code (\$)	_	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 2202 9 Claims in excess of 1201 86 2201 43 Independent claims		1809	770	2809	385	5 Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent		1810	770	2810	385	5 For each additional invention to be	
1204 86 2204 43 ** Reissue indeper over original pate		1801	770	2801	385	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims i	n excess of 20	1802	900	1802		Request for expedited examination of a design application	
l and over original F	Other	fee (sp	ecify)		or a design application		
SUBTOTAL (2)				iling F	Fee Paid SUBTOTAL (3) (\$) 40.00	, 	
**or number previously paid, if greater; For Reiss	sues, see above					σοβίστα ς (σ) (φ) του	
CUDMITTED BY						(Complete (if applicable))	

SUBMITTED BY					(Complete (if applicable))	
Name (Print/Type)	Karin H. Butchko	1.4	Registration No. (Attorney/Agent)	45,864	Telephone	248-988-8360	
Signature	MUUM D	オブルし)		Date	12/16/2003	

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UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Wei, et al.

Serial No.:

Herewith

Filed:

Herewith

Title:

MULTI-LAYERED PHOTOCATALYST/ THERMOCATALYST FOR IMPROVING

INDOOR AIR QUALITY

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number: EV 220475730 US

EV220475730US

Date of Deposit:

December 16, 2003

I hereby certify that the attached documents or fees are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to "Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450."

Theresa M. Palmateer

(Signature of person mailing paper or fee)

(Typed or printed name of person mailing paper or fee)

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